



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Scott WHITNEY
Appl. No.: 10/648,264
Filed: August 27, 2003
For: Materials for Enhancing Staining of
Biopolymers in Matrices

Confirmation No.: 5236
Art Unit: 1743
Examiner: Wallenhorst, M.
Atty. Docket: 0942.5190002/RWE/CJW

Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying material to the examination of requirements of 37 C.F.R. §§ 1

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Information Disclosure Statement that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. No. 09/988,746, filed November 20, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).

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In accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the

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effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 for payment of the fee under 37 C.F.R. § 1.17(p).

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

Scott WHITNEY.
Appl. No. 10/648,264

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Christopher J. Walsh
Agent for Applicant
Registration No. 55,709

Date: November 4, 2004

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Washington, D.C. 20005-3934
(202) 371-2600

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FORM PTO-1449

FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

U.S. PATENT DOCUMENTS

ATTY. DOCKET NO.
0942.5190002/RWE/CJWAPPLICATION NO.
10/648,264FIRST NAMED INVENTOR
Scott WHITNEYFILING DATE
August 27, 2003ART UNIT
1743

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
(mw)	AE1	4,416,998	11/22/1983	Adams et al.			03/17/1982
	AE1	4,434,234	02/28/1984	Adams et al.			06/09/1982
(mw)	AG1	4,582,808	04/15/1986	Oosawa et al.			05/18/1984
	AH1	5,064,768	11/12/1991	Ebata et al.			09/12/1990
(mw)	AI1	5,492,810	02/20/1996	Caetano-Anolles et al.			02/08/1994
	AJ1	5,567,585	10/22/1996	Caetano-Anolles et al.			06/09/1994
(mw)	AK1	6,127,122	10/03/2000	Park et al.			07/02/1998

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER

Maureen Wallenhorst

DATE CONSIDERED 12-14-04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449		ATTY. DOCKET NO. 0942.5190002/RWE/CJW	APPLICATION NO. 10/648,264
FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		FIRST NAMED INVENTOR Scott WHITNEY	
		FILING DATE August 27, 2003	ART UNIT 1743

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
mw	AA2 6,316,267 B1	11/13/2001	Bhalgal et al.			10/27/1999
	AB2 3,895,143	09/10/1974	Witzel et al.			01/26/1972
	AC2 4,853,413	08/01/1989	Katz et al.			04/03/1987
	AD2 5,486,460	01/23/1993	Townsend			05/20/1993
	AE2 5,645,308	08/13/1996	Murphy et al.			06/19/1995
	AF2 4,007,135	02/06/1977	Hayden et al.			11/22/1974
	AG2 5,200,296	04/06/1993	Nagamatsu et al.			04/08/1992
	AH2 6,535,489 B2	10/21/2003	Whitney			11/20/2001
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
AL						Yes
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AO						No
AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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EXAMINER	maureen Wallenhorst	DATE CONSIDERED
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Confirmation No.: 5236

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Examiner: Wallenhorst, M.

Atty. Docket: 0942.5190002/RWE/CJW

First Supplemental Information Disclosure Statement

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this First Supplemental Information Disclosure Statement is a continuation of the numbering in Applicant's Information Disclosure Statement filed concurrently herewith in connection with the above-captioned application.

In accordance with 37 C.F.R. § 1.98(a)(2), no copies of the U.S. patents cited on the attached Form PTO-1449 are submitted.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicant has listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates

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It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

Scott WHITNEY
Appl. No. 10/648,264

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Christopher J. Walsh
Agent for Applicant
Registration No. 55,709

Date: November 4, 2004

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Washington, D.C. 20005-3934
(202) 371-2600

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FORM PTO-1440 INFORMATION DISCLOSURE STATEMENT <small>SEARCHED & TRADEMARK OFFICE</small>				ATTY. DOCKET NO. 0942.5190002/RWE/CJW	APPLICATION NO. 10/648,264		
				FIRST NAMED INVENTOR Scott WHITNEY			
				FILING DATE August 27, 2003	ART UNIT 1743		
				U.S. PATENT DOCUMENTS			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
mw	AA1	4,405,720	09/20/1993	Merril			01/18/1982
mw	AB1	4,468,466	08/28/1984	Morrissey			02/16/1982
	AC1	4,575,452	03/11/1986	Lee et al.			09/21/1984
mw	AD1	4,703,016	10/27/1987	Merril			05/05/1986
	AE						
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
mw	AR	1	Bergman, A.-C. et al., "Identification of gel-separated tumor marker proteins by mass spectrometry," <i>Electrophoresis</i> 21:679-686, Wiley-VCH (February 2000).				
mw	AS	1	Carr, S.A. and Annan, R.S., "Overview of Peptide and Protein Analysis by Mass Spectrometry," in <i>Current Protocols In Protein Science</i> , Coligan, J.E. et al., Eds., John Wiley & Sons, Inc., New York, NY, pp. 16.1.1-16.1.27 (1996).				
mw	AT	1	Expressions, "Mass Spectrometry-Compatible Silver Staining," Invitrogen Newsletter for Gene Cloning, Expression, and Analysis, Volume 7, page 9, November 2000.				
EXAMINER <i>Maurine Wallenhorst</i>					DATE CONSIDERED 12-14-04		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.5190002/RWE/CJW		APPLICATION NO. 10/648,264	
		FIRST NAMED INVENTOR Scott WHITNEY		FILING DATE August 27, 2003	

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	AN						Yes
	AO						No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>MW</i>	AR	2	Fernandez, J. and Mische, S.M., "Enzymatic Digestion of Proteins on PVDF Membranes," in <i>Current Protocols in Protein Science</i> , Colligan, J.E. et al., Eds., New York, NY, pp. 11.2.1-11.2.10 (1995).
<i>MW</i>	AS	2	Gharahdaghi, F. et al., "Mass spectrometric identification of proteins from silver-stained polyacrylamide gel: a method for the removal of silver ions to enhance sensitivity." <i>Electrophoresis</i> 20:601-605, Wiley-VCH (March 1999).
<i>MW</i>	AT	2	Hellman, U. et al., "Improvement of an 'In-Gel' Digestion Procedure for the Micropreparation of Internal Protein Fragments for Amino Acid Sequencing," <i>Anal. Biochem.</i> 224:451-455, Academic Press, Inc. (1995).
EXAMINER	<i>Maurice Wallenhorst</i>		DATE CONSIDERED
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	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mw</i>	AR	3	Merril, C.R. et al., "Silver Staining Methods for Polyacrylamide Gel Electrophoresis," <i>Meth. Enzymol.</i> 96:230-239, Academic Press, Inc. (1983).
<i>mw</i>	AS	3	Oakley, B.R. et al., "A Simplified Ultrasensitive Silver Stain for Detecting Proteins in Polyacrylamide Gels," <i>Anal. Biochem.</i> 105:361-363, Academic Press, Inc. (1980).
<i>mw</i>	AT	3	Patterson, S.D. and Aebersold, R., "Mass spectrometric approaches for the identification of gel-separated proteins," <i>Electrophoresis</i> 16:1791-1814, VCH (1995).

EXAMINER	<i>Maureen Wallenhorst</i>	DATE CONSIDERED	<i>13-14-04</i>
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AL						Yes
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AN						Yes
AO						No
AP						Yes
						No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mw</i>	AR	4	Rabillooud, T., "Mechanisms of protein silver staining in polyacrylamide gels: A 10-year synthesis," <i>Electrophoresis</i> 11:785-794, VCH (1990).
<i>mw</i>	AS	4	Rabillooud, T. et al., "Silver-Staining of Proteins in Polyacrylamide Gels: A General Overview," <i>Cell. Mol. Biol.</i> 40:57-75, Cellular and Molecular Biology (1994).
<i>mw</i>	AT	4	Riviere, L.R., "Enzymatic Digestion of Proteins in Solution," in <i>Current Protocols in Protein Science</i> , Coligan, J.E. et al., Eds., New York, NY, pp. 11.1.1-11.1.19 (1995).

EXAMINER	<i>Maureen Wallenhorst</i>	DATE CONSIDERED	<i>12-14-04</i>
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	AO						No
	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mw</i>	AR	5	Scheler, C. et al., "Peptide mass fingerprint sequence coverage from differently stained proteins on two-dimensional electrophoresis patterns by matrix assisted laser desorption/ionization-mass spectrometry (MALDI-MS)." <i>Electrophoresis</i> 19:918-927, Wiley-VCH (1998).
<i>mw</i>	AS	5	Shevchenko, A. et al., "Mass Spectrometric Sequencing of Proteins from Silver-Stained Polyacrylamide Gels," <i>Anal. Chem.</i> 68:850-858, American Chemical Society (1996).
<i>mw</i>	AT	5	Sigma Catalog, Products for Life Science Research, pp. 962-965 (2000-2001).

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	AL						Yes
	AM						No
	AN						Yes
	AO						No
	AP						Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>mw</i>	AR	6	Stone, K.L. and Williams, K.R., "Digestion of Proteins In Gels for Sequence Analysis," in <i>Current Protocols in Protein Science</i> , Coligan, J.E. et al., Eds., New York, NY, pp. 11.3.1-11.3.13 (1995).
<i>mw</i>	AS	6	Wood, H.W., "The Examination of Gelatin Extracts and Polythionates by means of Paper Electrophoresis," <i>J. Photo. Science</i> 2:154-159, The Royal Photographic Society of Great Britain (1954).
	AT		
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